



Specialty Chemicals Division
Technical Service & Development
P.O. Box 1069
Buffalo New York 14240
(716) 824-5000

RE: DPM 1370-2
Hardener, Epoxy Resin

September 17, 1975

Mr. W. A. Bauhof
Douglas Aircraft Company
3855 Lakewood Boulevard
Long Beach, CA 90846

Dear Mr. Bauhof:

As you recently requested, I have enclosed for your information the product bulletin (MS-113) and the material safety data sheet for Nadic® Methyl Anhydride.

DOT classification for this product is "corrosive liquid NOS - Corrosive Material; Acid Liquid (Nadic® Methyl Anhydride)."

Very truly yours,

A handwritten signature in cursive script that reads 'L. M. Zwolinski'.

Leon M. Zwolinski

LMZ:baa

Enclosures

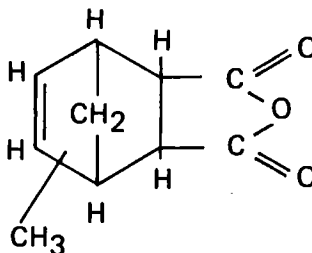
(DPM 1370-2)



Specialty Anhydrides

NADIC® METHYL ANHYDRIDE

(methylbicyclo [2. 2. 1.] hept - 5 - ene - 2, 3 - dicarboxylic anhydride)



C₁₀H₁₀O₃ MW - 178.2

SPECIFICATIONS

Physical Appearance	very pale yellow liquid
Strength	99.0% minimum
Nadic Methyl Acid	1.0% maximum
Color, as is (Pt-Co standards).	75 maximum
Viscosity at 25°C	175 to 225 centipoises

TYPICAL PROPERTIES

Soluble in, at room temperature	acetone, benzene, naphtha, xylene
Refractive Index, n _D ²⁵	1.505
Specific Gravity, d ₄ ^{15.4}	1.245
Flash Point	135°C
(Cleveland Open Cup)	

USES

NADIC Methyl Anhydride is a liquid anhydride for curing epoxy resins. Cured resins have excellent electrical characteristics, high heat deflection temperatures and minimum shrinkage when cast.

HANDLING AND STORAGE

Store NADIC Methyl Anhydride between the temperatures of 18°C (65°F) and 40°C (104°F) to avoid freezing, although the material is not affected by freezing. If material does freeze, thaw at a temperature below 40°C and mix well before using. Store in a dry place and keep container tightly closed to prevent absorption of atmospheric moisture or contamination. The presence of moisture could cause free acid to form in the anhydride.

HEALTH HAZARDS

NADIC Methyl Anhydride is a hazardous material and should be handled with special care. It is irritating to the skin, and extremely irritating to the eyes. The vapors may cause asthmatoïd reactions in some sensitive individuals.

Avoid contact with skin, eyes and clothing. Wear splashproof goggles when handling even small quantities. Use only with adequate ventilation.

In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes; for eyes get medical attention at once. Wash contaminated clothing before reuse.

PACKAGING

Drums:	15 gallons, 150 lbs. net
	55 gallons, 500 lbs. net
Tank Truck	